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(54) CONNECTING ROD MADE OF Fe-BASED SINTERED ALLOY HAVING HIGH STRENGTH AND HIGH TOUGHNESS

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a connecting rod made of an Fe-based sintered alloy having high strength and high toughness, capable of thinning and reducing dimensions and capable of satisfactorily coping with the lightening and increasing of performances in various driving apparatus.

SOLUTION: This connecting rod is composed of an Fe-based sintered alloy having a composition containing, by mass, 2 to 6% Ni, 0.5 to 2.5% Cu, 0.5 to 1.3% Mo, 0.2 to 0.8% C, 0.1 to 0.3% P and 0.2 to 0.65% Mn, and the balance Fe with inevitable impurities and has a porosity of 2 to 8%.

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